

L Number	Hits	Search Text	DB	Time stamp
1	1	"10/081969"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 11:37
2	1	"10/081969" and promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:00
3	1	"10/081969" and osteocalcin adj promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:05
4	1	"10/081969" and HBSS	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:04
5	346	osteocalcin adj promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:07
6	12	osteocalcin adj promoter same tumor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:05
7	240	(adenoviral or adenovirus) adj vector and (osteocalcin adj promoter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:06
8	372	(osteocalcin or E2F) adj promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:07
9	27	((osteocalcin or E2F) adj promoter) same (adenovirus or adenoviral)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:07
10	27	((osteocalcin or E2F) adj promoter) same (adenovirus or adenoviral or ad)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:07
11	1	((osteocalcin or E2F) adj promoter) same (adenovirus or adenoviral or ad) same (termination adj signal or poly adj ("a" or adenylation))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:08
12	2	((osteocalcin or E2F) adj promoter) same (termination adj signal or poly adj ("a" or adenylation))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:09
13	2	((osteocalcin or E2F) adj promoter) same (termination or poly adj ("a" or adenylation))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:09

14	2	((osteocalcin or E2F) adj promoter) same (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:09
15	1152	promoter same adenovirus same (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:09
16	9755	promoter adj10 (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:09
17	397	promoter adj10 (termination or polyA) same adenovirus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:10
18	7	heterologous adj promoter adj10 (termination or polyA) same adenovirus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:20
19	19	heterologous adj promoter adj10 (termination or polyA) and adenovirus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:22
20	0	heterologous adj promoter adj20 E1A same (terminaiton or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:22
21	3	heterologous adj promoter adj20 E1A same (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:23
22	6	promoter adj20 E1A adj20 (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:25
23	26	oncolytic adj adenovirus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:25
24	2	oncolytic adj adenovirus same specific adj5 promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:25
25	19	oncolytic adj adenovirus and specific adj5 promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:25
27	6	promoter adj20 E1A adj20 (termination or polyA pr poly adj a or poly adj adenylation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:26
26	9	oncolytic adj adenovirus and specific adj5 promoter and (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/11 12:26

28	10	oncolytic adj adenovirus and (termination or polyA)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:27
29	0	oncolytic adj adenovirus and (termination or polyA) same LTR	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:27
30	39	(termination or polyA) adj10 LTR	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:27
31	0	(termination or polyA) adj10 LTR same promtoer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:27
32	28	(termination or polyA) adj10 LTR same promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:27
33	5	(termination or polyA) adj10 LTR adj20 promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:29
34	5	(termination or polyA) adj20 LTR adj20 promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:29
35	5	(termination or polyA) adj20 LTR adj30 promoter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:29
36	2	Cheng.in. and adenovirus same oncolytic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/02/11 12:29

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 LANGUAGE: English

AB A cloned proviral gene for mouse mammary tumor virus (MMTV) was introduced into cultured mouse L cells to det. whether DNA sequences responsible for glucocorticoid induction of MMTV-RNA accumulation are linked to the MMTV proviral DNA sequence. A proviral ( $\lambda$ -MMTV) DNA segment flanked by 2 direct long terminal repeating segments (LTRs) was selected from a gene library made from the DNA of a GR mouse having a high incidence of mammary tumors. Sequence anal. of LTR regions showed that 5' (left) and 3' (right) LTRs are identical. Functionally, the LTR regions are subdivided in 3 regions responsible for MMTV-RNA initiation, **termination**, and polyadenylation. The cloned recombinant mol. was introduced into the TK gene of herpes simplex virus. Five to 10 copies of  $\lambda$ -MMTV recombinant DNA were found per cell. MMTV-specific RNA in these cells showed 8-fold induction following dexamethasone [50-02-2] treatment, whereas very little MMTV-RNA was present in cells grown in the absence of hormone. Thus, glucocorticoid-mediated regulation is cotransferred with the cloned proviral gene into the recipient L cells. DNA sequences flanking the provirus gene were also transcribed and affected by dexamethasone. To further define the regulatory DNA sequence which mediates hormone response, the 3' LTR DNA sequence from a cloned MMTV provirus was recombined with the TK gene of herpes simplex virus (HSV). The resulting recombinant plasmid, TK-MMTV-EX 1.1, was used to transfect TK L cells; a 1.9-kilobase fusion mRNA was induced by dexamethasone. Thus, transcription initiates in the 3' LTR of MMTV and proceeds into the adjacent TK-specific sequences. In addn., the MMTV portion of the fusion gene allows the level of chimeric mRNA present in the cell to be induced by dexamethasone. Like avian leukemia virus, MMTV contains a **promoter** sequence within its 3' LTR region which allows hormone-mediated transcription of neighboring DNA sequences.

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(FILE 'HOME' ENTERED AT 12:31:00 ON 11 FEB 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 12:31:11 ON 11 FEB 2004

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L1      1 S (TERMINATION OR POLYA) (5A) (LTR) AND ADENOVIRUS
L2      0 S (TERMINATION OR POLYA) (20A) (5 ADJ LTR) AND ADENOVIRUS
L3      4 S (TERMINATION OR POLYA) (20A) (LTR) AND ADENOVIRUS
L4      0 S (OSTEOCALCIN OR E2F) (A) PROMOTER (S) (TERMINATION OR POLYA)
L5      0 S (TERMINATION OR POLYA) (20A) (5 ADJ LTR)
L6      87 S (TERMINATION OR POLYA) (20A) (LTR)
L7      13 S L6 (20A) PROMOTER
L8      13 S L7 AND PY<=2001
L9      6 DUP REM L8 (7 DUPLICATES REMOVED)
L10     39 DUP REM L6 (48 DUPLICATES REMOVED)
L11     38 S L10 AND PY<=2001
L12     32 S L11 NOT L9
L13     6 S L12 AND PROMOTER

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